INTERNATIONALSEARCHREPORT

International application No. PCT/JP2004/15658

A. CLASSIFICATIONOF SUBJECT MATTER				
Int.Cl7 H01L31/04				
According to International Patent Classification (IPC) or to both national classification and IPC				
	OS SEARCHED cumentation searched (classification system followed by c	lassification symbols		
	01L31/04 - 31/078	izssmezuon symbols)		
mi.Cl. HOILIST/04 - ST/076				
Documentati	on searched other than minimum documentation to the ex	ktent that such documents are included in the	e fields searched	
Japanese Utility Model Gazette 1922-1996, Japanese Publication of Unexamined Utility Model Applications 1971-2005, Japanese Registered Utility Model Gazette 1994-2005, Japanese Gazette Containing the Utility Model 1996-2005				
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)				
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C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category*	Citation of document, with indication, where ap	propriate, of the relevant passages	Relevant to claim No.	
A	JP 10-335688 A (CANON KABUS 1998.12.18 (FAMILY: none)	SHIKI KAISHA)	1-10	
A	JP 9-199746 A (CANON KABUSI 1997.07.31 (FAMILY: none)	HIKI KAISHA)	1-10	
A	JP 6-196743 A (CANON KABUSI 1994.07.15 (FAMILY: none)	HIKI KAISHA)	1-10	
A	JP 3-239376 A (CANON KABUSI 1991.10.24 (FAMILY: none)	HIKI KAISHA)	1-10	
A	JP 3-239375 A (CANON KABUSI 1991.10.24 (FAMILY: none)	HIKI KAISHA)	1-10	
Further documents are listed in the continuation of Box C. See patent family annex.				
* Special categories of cited documents: "T" later document published after the international filing date or priority date and not in conflict with the application but cited to				
considered to be of particular relevance understand the principle or theory underlying the invention "E" earlier application or patent but published on or after the inter- "X" document of particular relevance; the claimed invention cannot				
national filing date national filing date be considered novel or cannot be considered to involve an inventive step when the document is taken alone				
is cited to establish the publication date of another citation or other special reason (as specified) "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is				
means combination being obvious to a person skilled in the art "P" document published prior to the international filing date but later "&" document member of the same patent family				
Date of the actual completion of the international search Date of the actual completion of the international search Date of mailing of the international search.				
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Name and mailing address of the ISA/JP Authorized officer 2K 8422				
Japan Patent Office YUKIHIRO KONDO				
3-4-3 Kas	simigaseki Chivoda-ku Tokyo 100-8915 Japan	Telephone No. +81-3-3581-1101 F	2vt 3252	

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Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
-alegory -	Change of document, with indication, where appropriate, or the referant passages	Two values to olumn 140.
A	JP 7-321353 A (CANON KABUSHIKI KAISHA) 1995.12.08 & EP 684652 A2	1-10
A	JP 11-77348 A (CANON KABUSHIKI KAISHA) 1999.03.23 & US 6114185 A1	1-10
A	JP 10-65192 A (CANON KABUSHIKI KAISHA) 1998.03.06 & ZA 9704216 A & EP 807980 A2 & CN 1176495 A & AU 693738 A & US 6121542 A1	1-10
A	JP 8-139349 A (CANON KABUSHIKI KAISHA) 1996.05.31 & US 5667596 A1	1-10